

From: Dr. Pinar Omur-Ozbek

To: Dr. Chad Seidel

Date: 1/26/2022

Re: Flavor Profile Analysis (FPA) Results for Superior Water Treatment Plant

Seven water samples were collected by the Superior Water Treatment Plant operators, and delivered to Dr. Pinar Omur-Ozbek on 1/18/2022. The samples were kept at 4 °C, in dark until all analyses were completed. Standard Method 2170 for FPA was followed utilizing 500 mL Erlenmeyer flasks. The samples were tested three times (i.e. on three separate days, 1/23, 1/24 and 1/26) at room temperature (~20 °C) and at 45 °C. The samples were prepared and tested blindly to prevent bias. The results are presented below.

Sample ID	At 25 °C	At 45 °C
Superior WTP Raw (1/17/22)	Smoky 6, Chemical 2, Fishy 2	Smoky 8, Chemical 4, Fishy 2
Superior WTP F1 Effluent (1/17/22)	Smoky 6	Smoky 8
Superior WTP Finished (1/17/22)	Chlorine 6	Chlorine 8
2224 LaSalle St (1/18/22)	Smoky 4	Smoky 6, Sweet chemical 2
2714 Calamatite Pl (1/18/22)	Chlorine 4	Chlorine 6, Smoky 4
1090 S Pitkin Ave (1/18/22)	Chlorine 4	Chlorine 6, Smoky 4
1442 Eldorado Dr (1/18/22)	Smoky 4	Smoky 6

*** Scale for Odor Intensities:**

2: Very Weak

4: Weak

6: Weak/Moderate

8: Moderate